Abstract

The present invention is related to data communication networks using a modem and a telephone network e.g. ISDN, PSTN or GSM for interconnection between systems. A control logic is included in the layer 2 protocol which is closing the temporary connection on layer 2 each time a timer elapses and re-establishing it when a new subsequent message from layer 3 is transmitted. The timer is being reset each time a message is transmitted. However, seen from layer 3 the control logic in layer 2 provides a continuous connection even if the actual connection is alternating. Thus, unnecessary time spent in the telephone network when no data is being transmitted will be minimized.